Bently Nevada 330180&330780&330980 Series Service Manual

330180-51-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330180-51-05

Product Type : 3300 XL Proximitor Sensor

Made in U.S.A

Total Length and Mounting Option : 51 5.0 meters (16.4 feet) system length,

DIN mount

Agency Approval Option 05 CSA, ATEX, IECEx Approvals

The 3300 XL Proximitor Sensor incorporates
numerous improvements over previous
designs. Its physical packaging allows you to
use it in high-density DIN-rail installations. You
can also mount the sensor in a traditional
panel mount configuration, where it shares an
identical 4-hole mounting “footprint” with older
Proximitor Sensor designs. The mounting base
for either option provides electrical isolation
and eliminates the need for separate isolator
plates. The 3300 XL Proximitor Sensor is highly
immune to radio frequency interference,
allowing you to install it in fiberglass housings
without adverse effects from nearby radio
frequency signals. The 3300 XL Proximitor
Sensor’s improved RFI/EMI immunity satisfies
European CE mark approvals without requiring
special shielded conduit or metallic housings,
resulting in lower installation costs and
complexity.

The 3300 XL’s SpringLoc terminal strips require
no special installation tools and facilitate faster,
more robust field wiring connections by
eliminating screw-type clamping mechanisms
that can loosen.

Proximitor
Sensor Input

Accepts one non-contacting
3300-series 5 mm, 3300 XL 8
mm Proximity Probe and
Extension Cable.

Power

Requires -17.5 Vdc to -26 Vdc
when installed with nonincendive circuit connected
per installation drawing 140979
at 12 mA maximum
consumption, -23 Vdc to -26
Vdc with barriers. Operation at
a more positive voltage than
-23.5 Vdc can result in reduced
linear range.

Supply
Sensitivity

Less than 2 mV change in
output voltage per volt change
in input voltage.

Output

Resistance 50 Ω

Proximitor
Sensor
Material

A308 aluminum

Connector

Material

Gold-plated brass or goldplated beryllium copper.

Proximitor

Sensor 246 g (8.67 oz)

Proximitor Sensor Temperature Range

Operating

Temperature

-52°C to +100°C (-62°F to

+212°F)

Storage

Temperature

-52°C to +105°C (-62°F to

+221°F)